ZYXEL

GS1300 Series
Unmanaged Switch For Surveillance

Zyxel introduces the GS1300 Series switches specialized in surveillance deployments. With a brand-new titanium grey exterior purpose-built for surveillance, the Series includes 3 models with a range of large power budgets from 130 W to 250 W. The GS1300 Series comes with specialized hardware features such as an extended range mode for long range-applications along with PoE LEDs for real-time status inspection.

Benefits

Easy for long-distance deployment

Equipped with a DIP switch on the front panel, it's easy to transform Zyxel GS1300 Series from a standard 802.3at/af PoE switch to an extended-range unit that supports data and power delivery of up to 250 m on one single cable. Under the extended mode, the link speed runs on standard-based 10 Mbps and 802.3at/af PoE that provides 15-watt power delivery to IP cameras or powered devices in distant locations.

Oversee switch status intuitively

The LED indicators are helpful for inspecting the real-time status. The PoE MAX indicator alerts when the switch runs out of power budget, and you can also check that which port is on extended range mode instantly.

Tough protection on every port

Reliability and stability of the Switch are critical to surveillance networks. All PoE ports on the GS1300 Series feature up to 8 KV ESD (electrostatic discharge) and up to 4 KV surge protection to prevent network instability due to static electricity or power (lightning) surges.

- Large power budget for surveillance installations

- Extended range for distant deployments

- Check power status intuitively through PoE status LED

- Easy installation with internal power supply

- Robust network operations with surge and ESD protection on each port

Specifications

Model	GS1300-10HP	GS1300-18HP	GS1300-26HP
Product name	8-port GbE Unmanaged PoE Switch with GbE Uplink	16-port GbE Unmanaged PoE Switch with GbE Uplink	24-port GbE Unmanaged PoE Switch with GbE Uplink
Switch class	Unmanaged	Unmanaged	Unmanaged
Port Density			
Total port count	10	18	26
100/1000 Mbps	9	17	24
Gigabit SFP	1	1	2
PoE			
PoE ports	8	16	24
Total PoE budget (watt)	130	170	250
PoE 802.3at (PoE+)	Yes	Yes	Yes
Performance			
Switching capacity (Gbps)	20	36	52
Forwarding rate (Mpps)	14.8	26.7	38.7
Packet buffer (byte)	525 K	525 K	525 K
MAC address table	8 K	8 K	8 K
Power			
Input	100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz
Max. power consumption (watt)	155.8	205.7	301.9
Physical Specifications			
Item — Dimensions (WxDxH)(mm/in.)	267 x 162 x 44/ 10.51 x 6.38 x 1.73	330 x 230 x 44/ 12.99 x 9.06 x 1.73	441 x 270 x 44/ 17.36 x 10.63 x 1.73
Item — Weight (kg/lb.)	1.65/3.64	2.31/5.09	3.57/7.87
Packing — Dimensions (WxDxH)(mm/in.)	337 x 225 x 89/ 13.27 x 8.86 x 3.5	440 x 275 x 89/ 17.32 x 10.83 x 3.5	546 x 366 x 88/ 21.5 x 14.41x 3.46
Packing — Weight (kg/lb.)	2.5/5.51	3.4/7.5	4.4/9.7
Included accessories	• Power cord • Wall-mount kit • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit
Environmental Specifications			
Operating — Temperature	-20°C to 50°C/ -4°F to 122°F	-20°C to 50°C/ -4°F to 122°F	-20°C to 50°C/ -4°F to 122°F
Operating — Humidity	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing
Storage — Temperature	-40°C to 70°C/ -40°F to 158°F	-40°C to 70°/ -40°F to 158°F	-40°C to 70°C/ -40°F to 158°F
Storage — Humidity	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing
MTBF (hr)	394,567	378,972	347,760
Heat dissipation (BTU/hr)	531.278	701.437	1,029.479
Acoustic noise @ 25°C (dBA)	44	48	48

Specifications

Standard Compliance

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-Tx Ethernet
- IEEE 802.3ab 1000Base-T Ethernet
- IEEE 802.3z 1000 Base-X
- IEEE 802.3x flow control
- IEEE 802.3af PoE
- IEEE 802.3at PoE+
- IEEE 802.3az EEE
- IEEE 802.1p Class of Service (CoS) prioritization

Certifications

- EMC:
  - CE, FCC, C-Tick, Class A
  - BSMI CNS13438
- Safety:
  - LVD EN62368-1
  - BSMI CNS14336-1
- RoHS compliant

Installation Features

- Supports lightning surge protection:
  - Ethernet port: 2 KV
  - Power input: 4 KV
- Supports ESD protection (Air/Contact): 8 KV/4 KV
- Extended range of up to 250 meters*
  - Fixed link speed at 10 Mbps
  - Limited to 802.3af PDs and cameras

Warranty

- Limited life-time warranty**

* Extended range excels long range installation but the actual performance may be effected by cabling quality or IP camera's electrical design. We recommend users to test for IOP before physical deployment. Contact Zyxel for IP camera's interoperability report.

** Warranty terms, service availability, and service response times may vary from country or region to country or region.

Accessories

Transceivers (Optional)

Model	Speed	Connector	Wavelength	Max. Distance	DDMI
SFP-1000T	Gigabit	RJ-45	-	0.1 km (109 yd)	-
SFP-BX1310-10-D	Gigabit	LC	1310 nm (Tx); 1490 nm (Rx)	10 km (10936 yd)	Yes
SFP-BX1490-10-D	Gigabit	LC	1490 nm (Tx); 1310 nm (Rx)	10 km (10936 yd)	Yes
SFP-LHX1310-40-D	Gigabit	LC	1310 nm	40 km (43744 yd)	Yes
SFP-LX-10-D	Gigabit	LC	1310 nm	10 km (10936 yd)	Yes
SFP-SX-D	Gigabit	LC	850 nm	0.55 km (601 yd)	Yes
SFP-ZX-80-D	Gigabit	LC	1550 nm	80 km (87488 yd)	Yes

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